

Why You Should Read This: The document below reviews the environmental impact likely from a State Revolving Fund project. As part of the environmental review, you are entitled to provide comments. If you have concerns about the environmental impact of this project, raise them now. We encourage public input in this decision-making process.



IOWA STATE REVOLVING FUND
FINDING OF NO SIGNIFICANT IMPACT

November 25, 2025

To: All Interested Citizens, Government Agencies, and Public Groups

An environmental review has been performed based on the procedures for implementing the National Environmental Policy Act (NEPA), for the proposed agency action below:

Applicant: City of Madrid—Well Access

County: Boone

State: Iowa

Madrid Well #10 Access

SRF Number: FS-08-24-DWSRF-028

Iowa DNR Project Number: W2023-0107

The City of Madrid, Iowa is planning an upgrade to their drinking infrastructure. The city has applied for financial assistance through the State Revolving Fund (SRF) loan program to build the project. The State Revolving Loan Program is a program authorized by the Environmental Protection Agency (EPA) and administered by the Iowa Department of Natural Resources (DNR) in partnership with the Iowa Finance Authority. This project will not be receiving federal funds through SRF.

The City of Madrid is located in Boone County, Iowa approximately 30 miles northwest of Des Moines and 22 miles southwest of Ames, Iowa. The population of Madrid according to the 2020 US Census was 2,802 persons.

The City of Madrid owns and operates a water source, treatment, storage, and distribution system that provides drinking water for the community. The treatment and distribution systems were originally constructed and put into operation in the 1950s. Existing well #10, which is the main raw water source for the water system, is located within the floodplain of the Des Moines River and is only accessible for maintenance from a public access point approximately 2,000 feet to the north. No other access point is available. However, there is no roadway from that location to the well and therefore maintenance vehicles must travel over agricultural fields to get to the well. A creek must be crossed along this access path which requires a temporary culvert be placed to allow travel over the creek, with removal following the maintenance activities. At certain times during the year access to well #10 is not possible due to wet conditions; when that happens well #10 is not accessible and should the well develop problems during that time, an adequate raw water may not be provided to the system. The Iowa Department of Natural Resources has suggested that an easement and improved access roadway, including a permeant culverts, be constructed to allow year-round access to the well.

The purpose of this project is to make improvements to the water supply accessibility to enhance their reliability to better safely and reliably operate the City of Madrid's water system for at least the next 20 years.

The project is the construction of improvements to the existing access road to Well #10 including a new permanent culvert creek crossing, placement of revetment stone, and reconstruction of the gravel road.

The project will not significantly affect the pattern and type of land use (industrial, commercial, agricultural, recreational, residential) or growth and distribution of population. The project will not conflict with local, regional or State land use plans or policies. The project will not impact wetlands provided the terms of the permit are abided by. The project will not affect threatened and endangered species or their habitats. If any State- or Federally-listed threatened or endangered species or communities are found during the planning or construction phases, additional studies and/or mitigation may be required. Section 9 of the Endangered Species Act may apply and other wildlife conservation laws such as the Migratory Bird Treaty Act of 1918 and the Bald and Golden Eagle Protection Act of 1940. The project will not displace population, alter the character of existing residential areas, or convert significant farmlands to non-agricultural purposes. The project will not affect the 100-year flood plain provided all necessary floodplain development permits, state and local, are obtained and the terms of which are abided by. The project will not have effect on parklands, preserves, other public lands, or areas of recognized scenic or recreational value provided the terms of the permit are abided by.

Various Native American tribes with an interest in the area were provided information regarding the project. No historic properties will be adversely affected by the proposed project. If project activities uncover any item(s) that might be of archaeological, historical, or architectural interest, or if important new archaeological, historical, or architectural data should be encountered in the project APE, the applicant should make reasonable efforts to avoid further impacts to the property until an assessment can be made by an individual meeting the Secretary of the Interior's professional qualifications standards (36 CFR Part 61).

The project will not have a significant adverse effect upon local ambient air quality provided the applicant takes reasonable precautions to prevent the discharge of visible emissions of fugitive dusts beyond the lot line of the property during the proposed project (567 IAC 23.3(2)"c"). The project will not have a significant adverse effect upon local ambient noise levels, surface water quantity, groundwater quality or quantity, or water supply. No significant impact to surface water quality, fish, shellfish, wildlife, or their natural habitats is expected provided that an NPDES General Permit Number 2 (for storm water discharge associated with construction activities) is obtained and the terms of which are abided by.

Minimum separation distances will be maintained. Noise during construction will be maintained at tolerable levels through controls on construction activities. Any construction debris will be removed from the site for proper disposal. Adverse environmental effects from construction activities will be minimized with proper construction practices, inspection, prompt clean up and other appropriate measures. Areas temporarily disturbed by the construction will be restored.

It has been determined that the proposed action will result in no significant impacts to the surrounding environment. This determination is based on a careful review of the engineering report, the environmental assessment and other supporting data which are on file at the Department of Natural Resources' office in Des Moines, Iowa. These are available for public review upon request. A copy of the environmental assessment is attached. This Department will not take any administrative action on the project for at least thirty (30) calendar days from the above date. Persons disagreeing with the above environmental decision may submit comments to the department during this period. Your comments can be sent to SRF-PC@dnr.iowa.gov or directly to me at Hailey.Andersen@dnr.iowa.gov or (515) 321-7385.

Sincerely,

Hailey Andersen
Environmental Specialist
6200 Park Ave, Suite 200
Des Moines, IA 50321

Enclosures: Environmental Assessment Document
Project Map

Distribution

List (email): SEH, Inc.
Edward Boling, Council on Environmental Quality
Jake Hansen, Iowa Department of Agriculture and Land Stewardship
Ken Sharp, Iowa Department of Health & Human Services
Mindy Wells, Iowa Department of Health & Human Services
Chad Sands, Iowa Economic Development Authority
Alicia Vasto, Iowa Environmental Council
Michael Schmidt, Iowa Environmental Council
Tracy Scebold, Iowa Finance Authority
Tony Toigo, Iowa Finance Authority
Lee Wagner, Iowa Finance Authority
Yolanda Attaway, Iowa Finance Authority
Mickey Shields, Iowa League of Cities
Jane Clark, Sierra Club
Josh Mandelbaum, Environmental Law and Policy Center
Kate Sand, USDA Rural Development
Tokey Boswell, USDOL, National Park Service, Midwest Region
Kraig McPeck, Fish and Wildlife Service, Rock Island Field Office
Ann D'Alfonso, USEPA Region VII
Kelly Beard-Tittone, USEPA Region VII
Madrid Register News

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IOWA STATE REVOLVING FUND
ENVIRONMENTAL ASSESSMENT DOCUMENT

PROJECT IDENTIFICATION

Applicant: City of Madrid—Well Access
County: Boone
State: Iowa
Madrid Well #10 Access

SRF Number: FS-08-24-DWSRF-028
Iowa DNR Project Number: W2023-0107

COMMUNITY DESCRIPTION

Location: The City of Madrid is located in Boone County, Iowa approximately 30 miles northwest of Des Moines and 22 miles southwest of Ames, Iowa.

Population: The population of Madrid according to the 2020 US Census was 2,802 persons.

Project Background: The City of Madrid owns and operates a water source, treatment, storage, and distribution system that provides drinking water for the community. The treatment and distribution systems were originally constructed and put into operation in the 1950s. Existing well #10, which is the main raw water source for the water system, is located within the floodplain of the Des Moines River and is only accessible for maintenance from a public access point approximately 2,000 feet to the north. No other access point is available. However, there is no roadway from that location to the well and therefore maintenance vehicles must travel over agricultural fields to get to the well. A creek must be crossed along this access path which requires a temporary culvert be placed to allow travel over the creek, with removal following the maintenance activities. At certain times during the year access to well #10 is not possible due to wet conditions; when that happens well #10 is not accessible and should the well develop problems during that time, an adequate raw water may not be provided to the system. The Iowa Department of Natural Resources has suggested that an easement and improved access roadway, including a permeant culverts, be constructed to allow year-round access to the well.

PROJECT DESCRIPTION

Purpose: The purpose of this project is to make improvements to the water supply accessibility to enhance their reliability to better safely and reliably operate the City of Madrid's water system for at least the next 20 years.

Proposed Improvements: The project is the construction of improvements to the existing access road to Well #10 including a new permanent culvert creek crossing, placement of revetment stone, and reconstruction of the gravel road.

ALTERNATIVES CONSIDERED

Alternatives Considered: Two options were considered for the route of the access road to well #10. Reuse of the existing path was one alternative; the other was over the bank of the county road to the west.

Reasons for Selection of Proposed Alternative: The No-Action alternative is not viable due to risk of Well #10 having problems during a time when the well is inaccessible; as the primary water source for the City, this is unacceptable. It was determined that constructing an access road over the bank, across existing large rip rap, would result in a very steep access road and would require significant fill. That option was rejected due to the steepness of the access. The project site was selected for the availability of easement, feasibility of a permanent culvert, and slope considerations as well as minimization of the impacts to the environment.

MEASURES TAKEN TO ASSESS IMPACT

Public Involvement: A public hearing was held on February 19, 2024 at 6:00PM at the City's regular council meeting. The public notice of this hearing was made available by publication in the Madrid Register News on January 17, 2024. The purpose of this hearing was to present the environmental and financial impacts of the proposed improvement project. No written or oral comments were received.

Coordination and Documentation with Other Agencies and Special Interest Groups: The following Federal, state and local agencies provided an opportunity to comment on the proposed project to better assess the potential impact to the environment:

- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- State Historical Society of Iowa (State Historical Preservation Office)
- Iowa DNR Conservation and Recreation Division
- Iowa DNR Flood Plain Management Section
- Citizen Band Potawatomi Indian Tribe
- Flandreau Santee Sioux
- Ho-Chunk Nation
- Iowa Tribe of Kansas and Nebraska
- Iowa Tribe of Oklahoma
- Kickapoo Tribe in Kansas
- Kickapoo Tribe of Oklahoma
- Lower Sioux Indian Community Council
- Miami Tribe of Oklahoma
- Omaha Tribe of Nebraska
- Osage Nation
- Otoe-Missouria Tribe
- Pawnee Nation of Oklahoma
- Peoria Tribe of Indians of Oklahoma
- Ponca Tribe of Indians of Oklahoma
- Ponca Tribe of Nebraska
- Prairie Band Potawatomi Nation

Prairie Island Indian Community
Sac & Fox Nation of Mississippi in Iowa
Sac & Fox Nation of Missouri
Sac & Fox Nation of Oklahoma
Santee Sioux Nation
Shakopee Mdewakanton Sioux Community
Sisseton-Wahpeton Oyate
Spirit Lake Tribal Council
Three Affiliated Tribes Mandan, Hidatsa & Arikara Nations
Upper Sioux Tribe
Winnebago Tribal Council
Yankton Sioux Tribe

No adverse comments have been received from any agencies or general public to date. Conditions placed on the applicant by the above agencies in order to assure no significant impact are included in the Summary of Reasons for Concluding No Significant Impact section.

ENVIRONMENTAL IMPACT SUMMARY

Construction: Traffic patterns within the community may be disrupted and above normal noise levels in the vicinity of the construction equipment can be anticipated during construction and should be a temporary problem. Adverse environmental impacts on noise quality will be handled by limited hours of contractor work time during the day. Other adverse environmental effects from construction activities will be minimized by proper construction practices, inspection, prompt cleanup, and other appropriate measures. Areas temporarily disturbed by the construction will be restored. Solid wastes resulting from the construction project will be regularly cleared away with substantial efforts made to minimize inconvenience to area residents.

Care will be taken to maintain dirt to avoid erosion and runoff. The proposed project will disturb one or more acres of soil; therefore, the applicant is required to obtain an NPDES General Permit Number 2 (for storm water discharge associated with construction activities) and abide by its terms. Provided that this permit is obtained and the terms of which are abided by, no significant impact to surface water quality, fish, shellfish, wildlife, or their natural habitats is expected.

Temporary air quality degradation may occur due to dust and fumes from construction equipment. The applicant shall take reasonable precautions to prevent the discharge of visible emissions of fugitive dusts beyond the lot line of the property during the proposed project (567 Iowa Administrative Code IAC 23.3(2)“c”).

Historical/Archaeological: The State Historical Preservation Office (SHPO), the Certified Local Government and various Native American tribes with an interest in the area were provided information regarding the project. The DNR has determined, and the SHPO has concurred (R&C# 241008926), that this undertaking will result in “no adverse effect” to historic resources based on the scope of the project, the prior use of the project area, and the findings of the Phase I Archeological Survey conducted on the project property. However, if project activities uncover any item(s) that might be of archaeological, historical, or architectural interest, or if important new archaeological, historical, or architectural data should be encountered in the project area, the applicant should make reasonable efforts to avoid further impacts to the property until an assessment can be made by an individual meeting the Secretary of the Interior’s professional qualifications standards (36 CFR Part 61).

Environmental: According to the Iowa DNR Conservation and Recreation Division, the proposed project will not interfere with any State-owned parks, recreational areas or open spaces provided the terms of the permit are abided by. The U.S. Army Corps of Engineers concurs that the project will not impact wetlands provided the terms of the permit are abided by. The project will not impact any wild and scenic rivers as none exist within the State of Iowa. The U.S. Fish & Wildlife Service Section 7 Technical Assistance website consultation determined, and Iowa DNR Conservation and Recreation Division agree, that the project will not impact protected species or their habitats. However, if any State- or Federally-listed threatened or endangered species or communities are found during the planning or construction phases, additional studies and/or mitigation may be required. According to the Iowa DNR Flood Plain Management Section, this project will not impact the 100-year floodplain provided all necessary floodplain development permits, state and local, are obtained and the terms of which are abided by. No adverse impacts are expected to result from this project, such as those to surface water quantity, or groundwater quality or quantity.

Land Use and Trends: The project will not displace population nor will it alter the character of existing residential areas. The proposed project is within the present corporate limits of Madrid in areas zoned residential, commercial, or industrial. No significant farmlands will be impacted.

This project should not impact population trends as the presence or absence of existing water/sewer infrastructure is unlikely to induce significant alterations in the population growth or distribution given the myriad of factors that influence development in this region. Similarly, this project is unlikely to induce significant alterations in the pattern and type of land use.

Irreversible and Irretrievable Commitment of Resources: Fuels, materials, and various forms of energy will be utilized during construction.

Nondiscrimination: All programs, projects, and activities undertaken by DNR in the SRF programs are subject to federal anti-discrimination laws, including the Civil Rights Act of 1964, section 504 of the Rehabilitation Act of 1973, and section 13 of the Federal Water Pollution Control Amendments of 1972. These laws prohibit discrimination on the basis of race, color, national origin, sex, disability, or age.

POSITIVE ENVIRONMENTAL EFFECTS TO BE REALIZED FROM THE PROPOSED PROJECT

Positive environmental effects will be improved water reliability for the citizens of Madrid. The more permanent well access road will assist in the prevention of water supply contamination associated with inadequate pressures within the distribution system. A catastrophic loss of water supply could result in City-wide health impacts due to a lack of sanitation and the use of other water sources that may not meet Federal drinking water standards.

SUMMARY OF REASONS FOR CONCLUDING NO SIGNIFICANT IMPACT

- The project will not significantly affect the pattern and type of land use (industrial, commercial, agricultural, recreational, residential) or growth and distribution of population.
- The project will not conflict with local, regional or State land use plans or policies.
- The project will not impact wetlands provided the terms of the permit are abided by.
- The project will not affect threatened and endangered species or their habitats. If any State- or Federally-listed threatened or endangered species or communities are found during the planning or construction phases, additional studies and/or mitigation may be required. Section 9 of the Endangered Species Act may apply and other wildlife conservation laws such as the Migratory Bird Treaty Act of 1918 and the Bald and Golden Eagle Protection Act of 1940.

- The project will not displace population, alter the character of existing residential areas, or convert significant farmlands to non-agricultural purposes.
- The project will not affect the 100-year flood plain provided all necessary floodplain development permits, state and local, are obtained and the terms of which are abided by.
- The project will not have effect on parklands, preserves, other public lands, or areas of recognized scenic or recreational value provided the terms of the permit are abided by.
- Various Native American tribes with an interest in the area were provided information regarding the project.
- No historic properties will be adversely affected by the proposed project. However, if project activities uncover any item(s) that might be of archaeological, historical, or architectural interest, or if important new archaeological, historical, or architectural data should be encountered in the project APE, the applicant should make reasonable efforts to avoid further impacts to the property until an assessment can be made by an individual meeting the Secretary of the Interior's professional qualifications standards (36 CFR Part 61).
- If project activities uncover any item(s) that might be of archaeological, historical, or architectural interest, or if important new archaeological, historical, or architectural data should be encountered in the project APE, the applicant should make reasonable efforts to avoid further impacts to the property until an assessment can be made by an individual meeting the Secretary of the Interior's professional qualifications standards (36 CFR Part 61).
- The project will not have a significant adverse effect upon local ambient air quality provided the applicant takes reasonable precautions to prevent the discharge of visible emissions of fugitive dusts beyond the lot line of the property during the proposed project (567 IAC 23.3(2)“c”).
- The project will not have a significant adverse effect upon local ambient noise levels, surface water quantity, groundwater quality or quantity, or water supply.
- No significant impact to surface water quality, fish, shellfish, wildlife, or their natural habitats is expected provided that an NPDES General Permit Number 2 (for storm water discharge associated with construction activities) is obtained and the terms of which are abided by.

THEREFORE:

The above project conforms to the criteria in 567 Iowa Administrative Code 44.10(3) for drinking water relating to compliance with the National Environmental Policy Act of 1969. This Environmental Assessment Document (EAD) outlines the justification that the environmental review for the proposed project should be classified as a Finding of No Significant Impact (FNSI) and does not rise to the significance of an Environmental Impact Statement (EIS) in accordance with 40 CFR § 1501.5.

Hailey Andersen

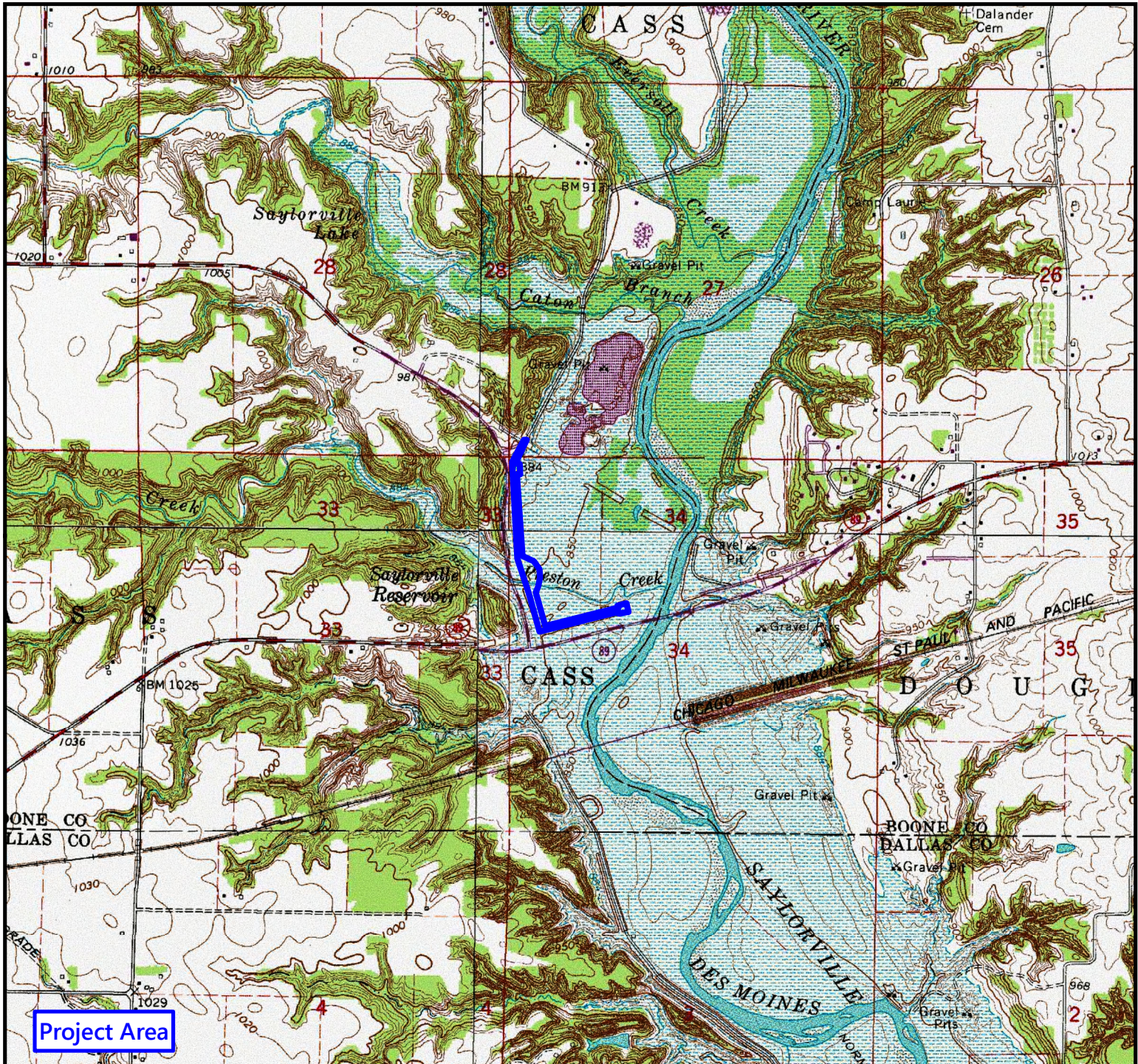
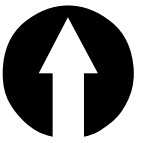
Environmental Review Specialist

State Revolving Fund

Iowa Department of Natural Resources



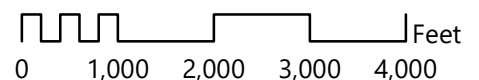
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S:27 and 34, T: 82N, R: 26W
Date: 1976

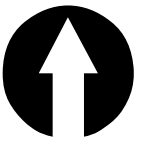


Topographic Map

Madrid Well #10 Access Road
Madrid, Iowa (Boone County)

Scale: 1 inch = 2,000 feet





Aerial Photograph

Madrid Well #10 Access Road
Madrid, Iowa (Boone County)

Scale: 1 inch = 397 feet

